

REMARKS/ARGUMENTS

Claim Amendments

The Applicant has canceled claims 1-44. Claims 45-63 have been added. Support for the new claims may be found in the Summary and the description of Figures 11 and 12. Applicant respectfully submits no new matter has been added. Accordingly, claims 45-63 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

Argument for New claims

The Applicant has canceled claims 1-44 and added new claims 45-63. The applicant respectfully submits that the current claims are not taught or suggested by cited prior art.

The Applicant's invention discloses and claims a method and arrangement for assisting the fast cold start of a GPS receiver that is associated with a mobile terminal (page 8, line 14-16). One or more "reference" GPS receivers are located throughout a cellular network, each reference GPS receiver being capable of providing locally accurate lists of GPS satellites within ranging distance and the associated ephemeris, clock and differential correction information relating to one or more GPS satellites (page 9, first paragraph). The data in the lists are termed assistance GPS data in the Applicant's present invention. A controlling BTS, when contacted by the GPS-equipped mobile terminal contacts the nearest reference GPS and obtains the assistance GPS data, which is then sent to the GPS-equipped mobile terminal to estimate the GPS-equipped mobile terminal position. The mobile terminal uses this data to calculate its position and is more quickly determined through the use of the "assistance GPS data. Using the GPS data reduces the time of determining a more accurate mobile terminal position and thus improves the cold start time.

Camp discloses a search for a strong GPS satellite signal, i.e., strong enough to demodulate, by limiting integration time to between 1 and 10 milliseconds total time. The limits the time spent searching for a first GPS satellite signal. Camp terminates the

search if a strong enough signal cannot be found and notifies the user of the discontinued search. Camp fails to disclose: the reference GPS receivers of the Applicant's present invention, which provide assistance GPS data; substitution of the controlling BTS location for the initial position of the GPS-enabled mobile terminal to determine the nearest reference GPS receiver and retrieval of the assistance GPS data which allows for determination of an estimate of the current position of the GPS-enabled terminal, all of which enables a quicker acquisition of the GPS satellite signals.

The Denninger reference, the Duffett-Smith reference and the Hermansson reference all fail to supply the limitations missing from the Camp reference. For the above reasons, the Applicant respectfully submits that the previously cited prior art, either individually or in combination, fails to disclose, suggest or teach the above noted limitations of the Applicant's present invention.

Claim Rejections – 35 U.S.C. § 102(e)

Claims 8, 20, 31 and 43 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Camp Jr., et al. (US 6,075,987). Claims 8, 20, 31 and 43 are canceled.

Claim Rejections – 35 U.S.C. § 103 (a)

Claims 1, 4-7, 13-19, 23, 24, 27-30, 36, 38-42 and 46 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Camp, Jr. et al. and further in view of Denninger, et al. (US Patent No. 5,952,961). Claims 1, 4-7, 13-19, 23, 24, 27-30, 36, 38-42 and 46 have been canceled.

Claims 9, 21, 32 and 44 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Camp, Jr. et al. and further in view of DuFett-Smith, et al. (US Patent No. 6,094,168). Claims 9, 21, 32 and 44 have been canceled.

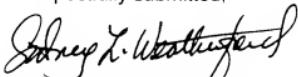
Claims 11, 34 and 37 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Camp, Jr. et al. and further in view of Hermansson, et al. (US Patent No. 5,987,319). Claims 11, 34 and 37 have been canceled.

CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



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